



Pat/09

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/831,744

DATE: 03/21/2002  
TIME: 18:35:51

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\03212002\I831744.raw

3 <110> APPLICANT: Analytica Ltd  
5 <120> TITLE OF INVENTION: PHOSPHOLIPASE INHIBITORS FOR THE TREATMENT OF CANCER  
7 <130> FILE REFERENCE: 2404732/EJH  
9 <140> CURRENT APPLICATION NUMBER: US 09/831,744  
C--> 10 <141> CURRENT FILING DATE: 2002-01-25  
12 <150> PRIOR APPLICATION NUMBER: US 60/108,254  
13 <151> PRIOR FILING DATE: 1998-11-12  
15 <160> NUMBER OF SEQ ID NOS: 45  
17 <170> SOFTWARE: PatentIn version 3.0  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 202  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Notechis scutatus  
24 <400> SEQUENCE: 1  
25 Met Lys Ser Leu Gln Ile Ile Cys Leu Leu Phe Val Leu Val Ala Arg  
26 1 5 10 15  
28 Gly Ser Cys His Ser Cys Glu Ile Cys His Asn Leu Gly Arg Asp Cys  
29 20 25 30  
31 Glu Thr Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
32 35 40 45  
34 Thr Val Leu Met Glu Val Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile  
35 50 55 60  
37 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu Arg Phe Asp  
38 65 70 75 80  
40 Ile Asn Ile Gly His Asp Ser Tyr Leu Arg Gly Arg Ile His Cys Cys  
41 85 90 95  
43 Asp Glu Ala Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser  
44 100 105 110  
46 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Val Phe Ser Val  
47 115 120 125  
49 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys  
50 130 135 140  
52 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Phe Pro Gly Asp Ile Ala  
53 145 150 155 160  
55 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Arg Leu Ser  
56 165 170 175  
58 Asn Arg Thr His Glu Glu Asp Arg Asn Gly Leu Ile Lys Val Glu Cys  
59 180 185 190  
61 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu  
62 195 200  
64 <210> SEQ ID NO: 2  
65 <211> LENGTH: 202  
66 <212> TYPE: PRT

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67 <213> ORGANISM: Oxyuranus scutellatus  
 69 <400> SEQUENCE: 2  
 70 Met Ile Ser Leu Gln Ile Ile Cys Phe Leu Phe Val Leu Val Ala Arg  
 71 1 5 10 15  
 73 Gly Ser Cys His Ser Cys Glu Ile Cys Arg Asn Phe Gly Lys Asp Cys  
 74 20 25 30  
 76 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
 77 35 40 45  
 79 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile  
 80 50 55 60  
 82 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp  
 83 65 70 75 80  
 85 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys  
 86 85 90 95  
 88 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Pro Ser  
 89 100 105 110  
 91 Leu Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val  
 92 115 120 125  
 94 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys  
 95 130 135 140  
 97 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala  
 98 145 150 155 160  
 100 Tyr Asn Ile Thr Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser  
 101 165 170 175  
 103 Asn Arg Thr His Ala Glu Arg Arg Asn Ala Leu Ile Thr Leu Asp Cys  
 104 180 185 190  
 106 Thr Asp Ala Ser Lys Ile Ala Pro Ser Glu  
 107 195 200  
 109 <210> SEQ ID NO: 3  
 110 <211> LENGTH: 609  
 111 <212> TYPE: DNA  
 112 <213> ORGANISM: Oxyuranus microlepidotus  
 114 <220> FEATURE:  
 115 <221> NAME/KEY: CDS  
 116 <222> LOCATION: (1)..(606)  
 118 <400> SEQUENCE: 3  
 119 atg aaa tcc cta cag atc atc tgt cct ctt ttc gtt ttg gta gcc aga 48  
 120 Met Lys Ser Leu Gln Ile Ile Cys Pro Leu Phe Val Leu Val Ala Arg  
 121 1 5 10 15  
 123 gga agc tgt cgc tca tgt gaa att tgt cac aat ttt gga aaa gat tgc 96  
 124 Gly Ser Cys Arg Ser Cys Glu Ile Cys His Asn Phe Gly Lys Asp Cys  
 125 20 25 30  
 127 gag agt gag gag gca gag gaa tgt gcc tct cca gaa gat caa tgt ggc 144  
 128 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
 129 35 40 45  
 131 aca gtg ttg ctg gag att tca tca gca cct att tcc ttc cga tcc att 192  
 132 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile  
 133 50 55 60  
 135 cat agg aac tgt ttc tca tcc agc ctc tgc aaa ctt gaa cac cac ttt gat 240

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136 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp  
137 65 70 75 80  
139 ata aat att gga cat gat tcc tat gtg aga gga aga atc cac tgt tgt 288  
140 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys  
141 85 90 95  
143 gat gaa gaa agg tgt gaa gca cag caa ttt cct gga ctg ccc ctc tcc 336  
144 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser  
145 100 105 110  
147 ttt cca aat gga tac cac tgc cct ggc att ctt ggt gca ttc tca gtg 384  
148 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val  
149 115 120 125  
151 gac agc tct gaa cat gaa gct att tgc aga gga acc gaa acc aaa tgc 432  
152 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys  
153 130 135 140  
155 att aac ctt gcg gga ttc aga aaa gaa aga tat cct gta gac atc gct 480  
157 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala  
158 145 150 155 160  
160 tat aat atc aaa ggt tgc act tct tct tgt cca gaa ctg aag ttg agc 528  
161 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser  
162 165 170 175  
164 aat aga act cac gaa gaa cgt aga aat gat cta ata aca ctt gaa tgt 576  
165 Asn Arg Thr His Glu Glu Arg Arg Asn Asp Leu Ile Thr Leu Glu Cys  
166 180 185 190  
168 aca gat gcc tcc aaa att aca cct tcc gaa taa 609  
169 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu  
170 195 200  
172 <210> SEQ ID NO: 4  
173 <211> LENGTH: 202  
174 <212> TYPE: PRT  
175 <213> ORGANISM: Oxyuranus microlepidotus  
177 <400> SEQUENCE: 4  
178 Met Lys Ser Leu Gln Ile Ile Cys Pro Leu Phe Val Leu Val Ala Arg  
179 1 5 10 15  
181 Gly Ser Cys Arg Ser Cys Glu Ile Cys His Asn Phe Gly Lys Asp Cys  
182 20 25 30  
184 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
185 35 40 45  
187 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile  
188 50 55 60  
190 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp  
191 65 70 75 80  
193 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys  
194 85 90 95  
196 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser  
197 100 105 110  
199 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val  
200 115 120 125  
202 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys  
203 130 135 140

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205 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala  
206 145 150 155 160  
208 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser  
209 165 170 175  
211 Asn Arg Thr His Glu Glu Arg Arg Asn Asp Leu Ile Thr Leu Glu Cys  
212 180 185 190  
214 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu  
215 195 200  
217 <210> SEQ ID NO: 5  
218 <211> LENGTH: 28  
219 <212> TYPE: PRT  
220 <213> ORGANISM: Notechis scutatus  
222 <220> FEATURE:  
223 <221> NAME/KEY: misc\_feature  
224 <222> LOCATION: (16)..(16)  
225 <223> OTHER INFORMATION: X = any amino acid  
227 <400> SEQUENCE: 5  
W/ > 228 Leu Glu Cys Glu Ile Cys Ile Gly Leu Gly Leu Glu Cys Asn Thr Xaa  
229 1 5 10 15  
231 Thr Lys Thr Cys Asp Ala Asn Gln Asp Thr Cys Val  
232 20 25  
234 <210> SEQ ID NO: 6  
235 <211> LENGTH: 14  
236 <212> TYPE: PRT  
237 <213> ORGANISM: Notechis scutatus  
239 <400> SEQUENCE: 6  
240 Leu Glu Cys Glu Ile Cys Ile Gly Leu Gly Leu Glu Cys Asn  
241 1 5 10  
243 <210> SEQ ID NO: 7  
244 <211> LENGTH: 5  
245 <212> TYPE: PRT  
246 <213> ORGANISM: Notechis scutatus  
248 <400> SEQUENCE: 7  
249 Ala Leu Ser Tyr Lys  
250 1 5  
252 <210> SEQ ID NO: 8  
253 <211> LENGTH: 19  
254 <212> TYPE: PRT  
255 <213> ORGANISM: Notechis scutatus  
257 <400> SEQUENCE: 8  
258 Ser Cys Gly Thr Ser Asp Thr Cys His Leu Asn Tyr Val Glu Thr Thr  
259 1 5 10 15  
261 Pro His Asn  
263 <210> SEQ ID NO: 9  
264 <211> LENGTH: 18  
265 <212> TYPE: PRT  
266 <213> ORGANISM: Notechis scutatus  
268 <400> SEQUENCE: 9  
269 Thr Cys Asp Ala Asn Gln Asp Thr Cys Val Thr Phe Gln Thr Glu Val

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Input Set : A:\PTO.AMC.txt  
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270 1 5 10 15  
272 Ile Arg  
274 <210> SEQ ID NO: 10  
275 <211> LENGTH: 8  
276 <212> TYPE: PRT  
277 <213> ORGANISM: Notechis scutatus  
279 <400> SEQUENCE: 10  
280 Ala Pro Val Thr Leu Gly Leu Ile  
281 1 5  
283 <210> SEQ ID NO: 11  
284 <211> LENGTH: 10  
285 <212> TYPE: PRT  
286 <213> ORGANISM: Notechis scutatus  
288 <400> SEQUENCE: 11  
289 Glu Cys Thr Glu His Leu Val Ser Cys Arg  
290 1 5 10  
292 <210> SEQ ID NO: 12  
293 <211> LENGTH: 13  
294 <212> TYPE: PRT  
295 <213> ORGANISM: Notechis scutatus  
297 <400> SEQUENCE: 12  
298 Phe Trp Asn Val Leu Glu Asp Val Glu Val Asp Phe Lys  
299 1 5 10  
301 <210> SEQ ID NO: 13  
302 <211> LENGTH: 29  
303 <212> TYPE: PRT  
304 <213> ORGANISM: Notechis ater  
306 <400> SEQUENCE: 13  
307 His Ser Cys Glu Ile Cys His Asn Phe Gly Arg Asp Cys Gln Ser Asp  
308 1 5 10 15  
310 Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
311 20 25  
313 <210> SEQ ID NO: 14  
314 <211> LENGTH: 29  
315 <212> TYPE: PRT  
316 <213> ORGANISM: Notechis ater  
318 <400> SEQUENCE: 14  
319 His Ser Cys Glu Ile Cys His Asn Leu Gly Lys Asp Cys Glu Thr Glu  
320 1 5 10 15  
322 Glu Thr Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
323 20 25  
325 <210> SEQ ID NO: 15  
326 <211> LENGTH: 5  
327 <212> TYPE: PRT  
328 <213> ORGANISM: Notechis ater  
330 <400> SEQUENCE: 15  
331 Ile Thr Pro Ser Glu  
332 1 5  
334 <210> SEQ ID NO: 16



Protog

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/831,744

DATE: 03/13/2002  
TIME: 15:12:52

Input Set : A:\13030.SEQ.txt  
Output Set: N:\CRF3\03132002\I831744.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Analytica Ltd  
5 <120> TITLE OF INVENTION: PHOSPHOLIPASE INHIBITORS FOR THE TREATMENT OF CANCER  
7 <130> FILE REFERENCE: 2404732/EJH  
9 <140> CURRENT APPLICATION NUMBER: US 09/831,744  
10 <141> CURRENT FILING DATE: 2002-01-25  
12 <150> PRIOR APPLICATION NUMBER: US 60/108,254  
13 <151> PRIOR FILING DATE: 1998-11-12  
15 <160> NUMBER OF SEQ ID NOS: 45  
17 <170> SOFTWARE: PatentIn version 3.0

## ERRORED SEQUENCES

775 <210> SEQ\_ID\_NO: 45  
776 <211> LENGTH: 57  
777 <212> TYPE: DNA  
778 <213> ORGANISM: *Notechis ater*  
781 <400> SEQUENCE: 45  
782 atgaaatccc tacagatcat ctgtcttctt ttcgtttgg tagccagagg aagctgt 57  
E--> 794 (1)

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,744

DATE: 03/13/2002

TIME: 15:12:53

Input Set : A:\13030.SEQ.txt

Output Set: N:\CRF3\03132002\I831744.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:794 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:57 SEQ:45

## CRF Errors Corrected by the STIC Systems Branch

CRF Missing Date:

Edited by:

Verified by:

3/21/2002

Serial Number: 09/831,740

 Changed a file from non-ASCII to ASCII**ENTERED** Changed the margins in cases where the sequence text was wrapped down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_ Other:

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\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95